

Application of WONG, D.MH.
Serial No. 10/764,180
Filed on Jan. 23, 2004

Examiner: NGUYEN, C.L.T.
Group Art Unit No. 2172
Confirmation No. 7861

AMENDMENTS TO THE CLAIMS

Pursuant to 37 CFR § 1.111, please amend the claims as shown below. This Listing of the Claims replaces all previous versions and listings thereof.

1. (Currently Amended) A machine-implemented method for managing access to data, the method comprising the steps of:

registering with a database server a policy function supplied by a user;

said database server detecting that a database command requires access to columns a

~~particular combination of information that is located in at least two tables; and~~

in response to the step of detecting: [[,]]

said database server invoking of said policy function to generate a condition expression

returned by the policy function;

and

rewriting said database command by creating a modified database command to

incorporate said condition expression, based on the database command.

~~if the particular combination is a combination to which access is limited, rewriting~~

~~said database command by creating a modified database command, based~~

~~on the database command.~~

2-3. (Cancelled)

4. (Currently Amended) The method of claim 1 [[2]], wherein the policy function is not invoked triggered by detecting that a database command requires access to a subset of tables of the at least two tables, wherein the subset of tables includes at least one table.

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5-6. (Cancelled)

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7. (Currently Amended) The method of claim 1 [[6]], wherein the detecting includes detecting that metadata defines the ~~particular combination~~ of columns as a combination of columns to which access is controlled.

8. (Currently Amended) The method of claim 1, further comprising the step of registering a policy function with a policy, ~~wherein the policy function returns a condition expression, and the modified database command is based on the condition expression and the database command.~~

9. (Currently Amended) The method of claim 8, wherein the policy includes metadata identifying ~~the columns that are included in the particular combination of information.~~

10. (Currently Amended) A machine-readable medium carrying one or more sequences of instructions, which when executed by one or more processors, causes the one or more processors to perform a method comprising the steps of:

registering with a database server a policy function supplied by a user;
said database server detecting that a database command requires access to a particular combination of information that is located in at least two tables; and
in response to the step of detecting: [[,]]

said database server invoking of said policy to a generate of a condition expression returned by the policy function;

and

rewriting said database command by creating a modified database command to incorporate said condition expression, based on the database command.

~~if the particular combination is a combination to which access is limited, rewriting said database command by creating a modified database command, based on the database command.~~

11-12. (Cancelled)

13. (Currently Amended) The machine readable medium of claim 10 [[11]], wherein the policy function is not invoked triggered by detecting that a database command requires access to a subset of tables of at least two tables, wherein the subset of tables includes at least one table.

14-15. (Cancelled)

16. (Currently Amended) The machine readable medium of claim 10 [[15]], wherein the detecting includes detecting that metadata defines the ~~particular combination of~~ columns as a combination of columns to which access is controlled.

17. (Currently Amended) The machine readable medium of claim 10, wherein the method further comprises the step of registering a policy function with a policy, ~~wherein the policy function returns a condition expression, and the modified database command is based on the condition expression and the database command.~~

18. (Currently Amended) The machine readable medium of claim 17, wherein the policy includes metadata identifying ~~the columns that are included in the particular combination of information.~~